

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|--------|------|---|--|------------------|---------|---------------------|
| S1 | 1 | 10/571475.app. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 08:28 |
| S2 | 11 | "1262836" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 08:31 |
| S3 | 2 | "6737662".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 08:32 |
| S4 | 2 | "20030038225" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 08:34 |
| S5 | 0 | 2002/136351 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 09:35 |
| S6 | 4 | 2002/0136351 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 09:35 |
| S7 | 2 | "20020136351" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/03/10 09:36 |
| S8 | 514 | ((jess near koehler) (wangler near2 johannes) (brotsack near2 markus) (singer near2 wolfgang) (fiolka near2 damian) (maul near2 manfred)).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 13:17 |
| S9 | 286 | ((jess near koehler) (wangler near2 johannes) (brotsack near2 markus) (singer near2 wolfgang) (fiolka near2 damian) (maul near2 manfred)).in. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/18 13:18 |
| S10 | 16 | ("20010001247" "20020136351" "20030038225" "20030038225" "20030227606" "20040108467" "5305054" "5523193" "5638211" "5691541" "5850310" "5870176" "6060224" "6211944" "6252647" "6428940" "6469827").PN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/18 13:20 |
| S11 | 6521 | 355/67-71.ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/05/18 13:28 |
| S12 | 6116 | 355/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 13:58 |
| /C.R./ | | | | | | |

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|-----|------|---|--|-----|----|---------------------|
| S13 | 28 | "747772" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:18 |
| S14 | 10 | "0036470" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:36 |
| S15 | 2 | "6737662".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:44 |
| S16 | 2 | "6903801".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:45 |
| S17 | 2 | "20030210383" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:46 |
| S18 | 2 | "20030227606" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:46 |
| S19 | 2 | "6870554".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:47 |
| S20 | 2 | "6977718".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:47 |
| S21 | 1 | 10/ 791263.app. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:48 |
| S22 | 3 | "20060055905" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:49 |
| S23 | 2 | "20060158754" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:49 |
| S24 | 0 | 7336342./pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:50 |
| S25 | 2 | "7336342".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:50 |
| S26 | 2 | "6924885".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:51 |
| S27 | 2 | "20020136351" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:53 |
| S28 | 10 | "1262836" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:55 |
| S29 | 2 | "20030038225" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 15:56 |
| S30 | 2687 | ((facet\$2 near2 (reflect\$3 or mirror)) or slm or dmd) same (pupil or aperture or (field plane)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:03 |

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|-----|-------|---|--|-----|----|---------------------|
| S31 | 34361 | "355"/\$.ccls. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:03 |
| S32 | 194 | S30 and S31 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:04 |
| S33 | 9731 | S11 or S12 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:04 |
| S34 | 173 | S30 and S33 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:04 |
| S35 | 33 | S30 and axicon | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:04 |
| S36 | 283 | S30 same deflect\$3 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:14 |
| S37 | 20 | S36 and S33 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:14 |
| S38 | 71 | S9 and axicon | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 16:22 |
| S39 | 27 | S30 same (doe or (diffract\$3 near2 element)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:31 |
| S40 | 368 | S30 and (doe or (diffract\$3 near2 element)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:37 |
| S41 | 47 | S40 and S31 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:37 |
| S42 | 2 | "5631721".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:39 |
| S43 | 2 | "5900637".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:56 |
| S44 | 2 | "5675401".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 16:59 |
| S45 | 2 | "6285443".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:00 |
| S46 | 2759 | ((((facet\$2 or raster) near2 (reflect\$3 or mirror)) or slm or dmd) same (pupil or aperture or (field plane))) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:02 |
| S47 | 27 | S39 same S46 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:02 |

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|-----|-------|--|--|-----|----|---------------------|
| S48 | 43 | ("4195913" "4294538" "4389115" "4651012" "4705396" "4740276" "4798446" "4991934" "5003567" "5148442" "5163078" "5222112" "5274435" "5315629" "5339346" "5361292" "5402267" "5439781" "5440423" "5512759" "5528364" "5557398" "5581605" "5647664" "5669708" "5677939" "5737137" "5755503" "5805365" "5822060" "5848119" "5896438" "5993010" "5995582" "6072852" "6118577" "6198739" "6233056" "6259764" "6307913" "6312373" "6469827" "6836530").RN. OR ("7248667").URFN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:04 |
| S49 | 1624 | 359/15,19,20.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:13 |
| S50 | 110 | 359/20.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:13 |
| S51 | 385 | 359/285.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:14 |
| S52 | 435 | 359/305.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:15 |
| S53 | 1078 | 359/566.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:18 |
| S54 | 1512 | S52 or S53 | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/18 17:18 |
| S56 | 512 | S54 and (doe or (diffract\$3 near2 element)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:18 |
| S57 | 5 | S46 and S56 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:18 |
| S58 | 4138 | (computer or hologram or holograph\$3 with (doe or (diffract\$3 near2 optical\$3)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:22 |
| S59 | 115 | S58 and S54 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:22 |
| S60 | 429 | (acousto\$1optic\$2 or (acousto optic\$3) or (acoust\$3 optic\$3)) with (doe or (diffract\$3 near2 optical\$3)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:29 |
| S61 | 48 | S60 and S54 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/18 17:29 |
| S62 | 2 | "0136470" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:19 |
| S63 | 57 | (doe or (diffract\$3 near2 optic\$3)) same (("5" or "3") near2 degree) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:36 |
| S64 | 185 | (pupil) same (("5" or "3") near2 degree) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:43 |
| S65 | 34368 | "355"/\$.ccls. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:43 |

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| S66 | 9 | S64 and S65 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:43 |
| S67 | 130539 | "359"/\$.ocls. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:45 |
| S68 | 44 | S64 and S67 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 07:45 |
| S69 | 14 | ("20020175300" "20020176063" "20020176096" "20030031017" "5815310" "6033079" "6172825" "6195201" "6199991" "6255661" "6299318" "6359678" "6386715" "6556648").PN. OR ("7232233").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 07:50 |
| S70 | 22 | ("20010015797" "20020001134" "20020075468" "20030025890" "20030030780" "20030038225" "20030038931" "20030043356" "20030151730" "20030198050" "20040021845" "20040051858" "20050046837" "20050099635" "20050134820" "5121160" "5859707" "5991009" "6102554" "6122107" "6231198" "6337734").PN. OR ("7312850").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 08:00 |
| S71 | 10 | "1262836" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 08:22 |
| S72 | 2 | 10/163791.app. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:15 |
| S73 | 12 | ("5315629" "5870176" "6072852" "6183095" "6262836" "6318869" "6522716" "6556648").PN. OR ("6700644").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 09:15 |
| S74 | 2959 | ((!(facet\$2 or raster\$3) near2 (reflect\$3 or mirror or element)) or slm or dmd) same (pupil or aperture or (field plane)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:23 |
| S75 | 1118 | S74 same (deflect\$3 or angle) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:23 |
| S76 | 118 | S65 and S75 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:23 |
| S77 | 6522 | 355/67-71.ocls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 09:24 |
| S78 | 6119 | 355/53.ocls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:24 |
| S79 | 1625 | 359/15,19,20.ocls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 09:24 |
| S80 | 386 | 359/285.ocls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 09:24 |
| S81 | 436 | 359/305.ocls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 09:24 |

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| S82 | 1079 | 359/566.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 09:24 |
| S83 | 12919 | S77 or S78 or S79 or S80 or S81 or S82 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:24 |
| S84 | 131 | S75 and S83 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:24 |
| S85 | 46827 | (doe or (diffract\$3 near2 optic\$3)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:25 |
| S86 | 48 | S84 and S85 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:25 |
| S87 | 121501 | ((((facet\$2 or raster\$3) near2 (reflect\$3 or mirror or element)) or slm or dmd or modulat\$3) same (reflect\$3 or mirror) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:26 |
| S88 | 2042 | S83 and S87 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:26 |
| S89 | 1289 | S87 same S85 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:26 |
| S90 | 112 | S89 and S83 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:26 |
| S91 | 17 | S80 and axicon | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:28 |
| S92 | 0 | S87 same axicon | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:28 |
| S93 | 60 | S87 same axicon | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:29 |
| S94 | 2 | "5675401".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 09:38 |
| S95 | 3054 | (concave or focus\$3 or collect\$3) same (mirror or reflect\$3) same (slm or dmd or micromirror) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 13:11 |
| S96 | 6522 | 355/67-71.ccls. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/05/19 13:11 |
| S97 | 91 | S96 and S95 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 13:11 |
| S98 | 10057 | (optic\$3 near4 modulat\$4) same ((acousto\$1optic\$3) or (acoust\$3 optic \$3) or (control\$4 with (diffract\$3 near2 (grating or optic\$3)))) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 13:30 |
| S99 | 83 | S96 and S98 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 13:30 |
| S100 | 370 | (optic\$3 near4 modulat\$4) same (doe or (control\$4 with (diffract\$3 near2 (grating or optic\$3)))) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:06 |

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| S101 | 8 | S100 and S96 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:07 |
| S102 | 1741 | (optic\$3 near4 modulat\$4) same (doe or hologram or (control\$4 with (diffract\$3 near2 (grating or optic\$3)))) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:08 |
| S103 | 9 | S102 and S96 | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:08 |
| S104 | 78 | "113819" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:10 |
| S105 | 113 | "113849" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:10 |
| S106 | 4 | "0747772" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:12 |
| S107 | 28 | "747772" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 14:12 |
| S108 | 10 | "0036470" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 15:55 |
| S109 | 2 | "5574537".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/05/19 16:07 |
| S110 | 8 | "1668421" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:43 |
| S111 | 10 | "1262836" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:51 |
| S112 | 6 | "11003849" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:54 |
| S113 | 9 | "1426823" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:55 |
| S114 | 50 | "074772" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:55 |
| S115 | 4 | "0747772" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:55 |
| S116 | 0 | "074777211" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 09:55 |
| S117 | 2 | "6469827".pn. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 10:12 |
| S118 | 4 | "0747772" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 10:15 |

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|------|-------|--|--|-----|----|---------------------|
| S119 | 14 | ("5452054" "5572287" "5675401" "6285443" "6295122" "6392742" "6476905").FN. OR ("6583855").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/12/01 10:16 |
| S120 | 3 | "1262836" | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/12/01 10:25 |
| S121 | 11 | "1262836" | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 10:25 |
| S122 | 9 | ("6193393" "6597431").FN. OR ("6737662").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/12/01 10:42 |
| S123 | 44 | ("20020027648" "20020180943" "20040222418" "20040229133" "20040265707" "20050134822" "20050142470" "20060098181" "20070013890" "20080007706" "5041882" "5115335" "5178445" "5229872" "5296891" "5305054" "5377037" "5523193" "5638211" "5668023" "5673103" "5969441" "6046792" "6323507" "6346979" "6413684" "6429440" "6452662" "6466304" "6511869" "6633366" "6737662" "6738128" "6741331" "6758608" "6778746" "6795163" "6833907" "6844927" "6847461" "6855486" "6871337" "6887625" "7027130").FN. OR ("7548302").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/12/01 10:43 |
| S124 | 2 | "20060039651" | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/12/01 11:13 |
| S125 | 9 | ("5229872" "5296891" "5523193" "5969441" "6046792" "6259512" "6452662" "6671035").FN. OR ("6924885").URPN. | US-PGRUB; USPAT; USOCR | ADJ | ON | 2009/12/01 11:17 |
| S128 | 18679 | 355/67-72,52,53,55,77.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 11:35 |
| S129 | 8543 | 250/492.1,492.2,492.22,548.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 11:35 |
| S130 | 2947 | 359/619,569,575.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 11:36 |
| S131 | 190 | ((plural\$4 or multiple) with (split\$4 or divid\$4) with (concentrat\$3 or focus\$3) with ((individual or one or single or singular) near5 (array or mirror or reflect\$3 or dmd))) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 11:44 |
| S132 | 2 | ((plural\$4 or multiple) with (split\$4 or divid\$4) with (concentrat\$3 or focus\$3) with ((individual or one or single or singular) near5 (array or mirror or reflect\$3 or dmd))) same (doe or (diffract\$3 near2 optic\$3) or (raster\$3)) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 11:48 |

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|------|--------|---|--|-----|----|---------------------|
| S133 | 59 | ((plural\$4 or multiple) same (split\$4 or divid\$4) same (concentrat\$3 or focus\$3) same ((individual or one or single or singular) near5 (array or mirror or reflect \$3 or dmd))) same (doe or (diffract\$3 near2 optic\$3) or (raster\$3)) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 11:48 |
| S134 | 1367 | ((plural\$4 or multiple) same (split\$4 or divid\$4) same (concentrat\$3 or focus\$3) same ((individual or one or single or singular) near5 (array or mirror or reflect \$3 or dmd))) | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 12:09 |
| S135 | 29435 | S128 or S129 or S130 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 12:10 |
| S136 | 59 | S135 and S134 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 12:10 |
| S137 | 39128 | ((facet\$2 or raster\$3) near2 (reflect\$3 or mirror or element)) or slm or dmd or (individual near3 plural\$4)).dim. | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 12:21 |
| S138 | 9 | "1426823" | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 12:38 |
| S156 | 153386 | ((facet\$2 or raster\$3) near2 (reflect\$3 or mirror or element)) or slm or dmd or (individual near3 plural\$4)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:52 |
| S157 | 203751 | ((facet\$2 or raster\$3) or doe or (diffract \$3 near2 optic\$3) or (telescope near2 array) (individual near3 plural\$4)) | US-PGRUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:54 |
| S158 | 15160 | S156 same S157 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:54 |
| S159 | 18679 | 355/67-72,52,53,55,77.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:55 |
| S160 | 8543 | 250/492.1,492.2,492.22,548.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:55 |
| S161 | 2947 | 359/619,569,575.ccls. | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:55 |
| S162 | 29435 | S159 or S160 or S161 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:55 |
| S163 | 432 | S158 and S162 | US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2009/12/01 14:55 |

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|------|----|---|---------------------------|-----|----|---------------------|
| S164 | 20 | ("5222112" "5305054" "5339346" "5363170" "5379090" "5526093" "5581605" "5669708" "5677939" "5757882" "5825844" "5896438" "5920380" "5993010" "6038279" "6452661").PN. OR ("6704095").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/01 15:15 |
| S165 | 2 | ("6597430").PN. OR ("7148952").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/01 15:28 |
| S166 | 31 | ("5440423" "5459547" "5512759" "5581605" "5594526" "5644383" "5647664" "5669708" "5677939" "5737137" "5755503" "5846678" "5896438" "5963305" "5993010" "5995582" "6057899" "6081319" "6198793" "6208707" "6259512" "6339467" "6400794" "6438199" "6507440" "6545272" "6563567" "6573978" "6583937" "6594334").PN. OR ("7006595").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/02 07:11 |
| S167 | 55 | ("1248456" "20030043356" "20030156266" "2183249" "4195913" "4294538" "4389115" "4651012" "4688932" "4740276" "4918583" "5071240" "5148442" "5222112" "5257125" "5339346" "5361292" "5402267" "5439781" "5440423" "5459547" "5499282" "5512759" "5581605" "5644383" "5647664" "5669708" "5677939" "5684566" "5715084" "5737137" "5755503" "5796524" "5805356" "5846678" "5870176" "5896438" "5963305" "5993010" "5995582" "6081319" "6198793" "6208707" "6229647" "6339467" "6400794" "6438199" "6507440" "6583937" "6594334" "RE38438").PN. OR ("7109497").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/02 07:33 |
| S168 | 2 | ("6597430").PN. OR ("7148952").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/02 07:45 |
| S169 | 44 | ("20020027648" "20020180943" "20040222418" "20040229133" "20040265707" "20050134822" "20050142470" "20060098181" "20070013890" "20080007706" "5041882" "5115335" "5178445" "5229872" "5296891" "5305054" "5377037" "5523193" "5638211" "5668023" "5673103" "5969441" "6046792" "6323507" "6346979" "6413684" "6429440" "6452662" "6466304" "6511869" "6633366" "6737662" "6738128" "6741331" "6758608" "6778746" "6795163" "6833907" "6844927" "6847461" "6855486" "6871337" "6887625" "7027130").PN. OR ("7548302").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/02 07:48 |

EAST Search History (1 interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|-----------------------------|------------------|---------|---------------------|
| S139 | 306 | ((koehler near2 jess) (wangler near2 johannes) (brotsack near2 markus) (singer near2 wolfgang) (fiolka near2 damian) (maul near2 manfred)).in. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:20 |
| S140 | 40450 | ((((facet\$2 or raster\$3) near2 (reflect\$3 or mirror or element)) or slm or dmd or (individual near3 plural\$4)).clm. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:22 |
| S141 | 13558 | 355/67-72,52,53,55,77.ocls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:22 |
| S142 | 6686 | 250/492.1,492.2,492.22,548.ocls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:22 |
| S143 | 2243 | ((plural\$4 or multiple) and (split\$4 or divid \$4) and (concentrat\$3 or focus\$3) and ((individual or one or single or singular) near5 (array or mirror or reflect\$3 or dmd))).clm. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:23 |
| S144 | 1756 | ((plural\$4 or multiple) same (concentrat\$3 or focus\$3) same((individual or one or single or singular) near5 (array or mirror or reflect\$3 or dmd))).clm. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:23 |
| S145 | 139 | S140 and S144 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:24 |
| S146 | 19606 | S141 or S142 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:24 |
| S147 | 59 | S146 and S143 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:24 |
| S148 | 0 | S139 and S143 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:25 |
| S149 | 1 | S139 and S144 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:25 |
| S150 | 6840 | (axicon or (zoom near3 (lens\$3 or element))).clm. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:26 |
| S151 | 0 | S139 and S150 and S143 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:27 |
| S152 | 1 | S140 and S150 and S143 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:27 |
| S153 | 10872 | ((plural\$4 or multiple) and (concentrat\$3 or focus\$3) and ((individual or one or single or singular) near5 (array or mirror or reflect\$3 or dmd))).clm. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:28 |
| S154 | 23 | S153 and S150 and S143 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2009/12/01 12:28 |

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|------|---|--|--------------------|-----|----|---------------------|
| S170 | 4 | ("20030038225" "20040057036" "20040108467" "5559583").PN. OR ("7525642").URPN. | US-PGPUB; USPAT | ADJ | ON | 2009/12/02 07:45 |
|------|---|--|--------------------|-----|----|---------------------|

12/ 3/ 2009 5:04:40 PM

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/C.R./